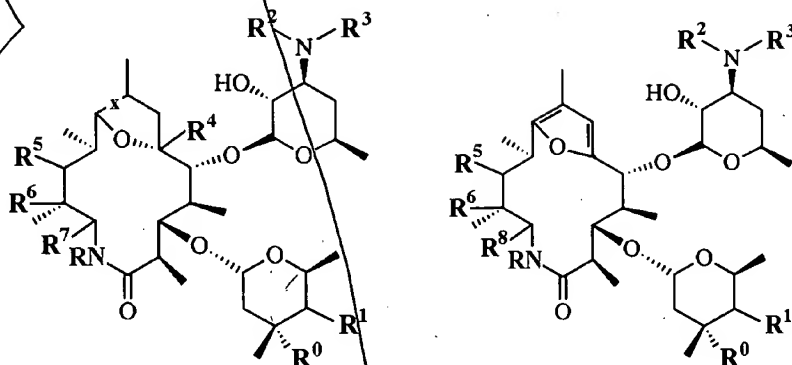


What is claimed is:

1 A compound of the structure



or

5 wherein:

R is hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R⁰ is hydroxyl or methoxy;

R¹ is selected from the group consisting of hydrogen, hydroxyl, halide, NH₂, OR⁹,

OCR^9 , $\text{OCNR}^{10}\text{R}^{11}$, NCR^9 , and $\text{NCNR}^{10}\text{R}^{11}$ where R⁹ is substituted C₁-C₁₀ alkyl,

unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl,

15 substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl, and R¹⁰ and R¹¹ are each independently hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl,

20 alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl,

substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R^2 and R^3 are each independently selected from the group consisting of hydrogen, substituted C_1 - C_{10} alkyl, unsubstituted C_1 - C_{10} alkyl, substituted C_2 - C_{10} alkenyl, unsubstituted C_2 - C_{10} alkenyl, substituted C_2 - C_{10} alkynyl, unsubstituted C_2 - C_{10} alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, and unsubstituted alkynylaryl, or R^2 and R^3 together form a cycloalkyl or an aryl moiety;

R^4 is hydrogen or methyl;

R^5 is hydroxyl or oxo;

R^6 is hydrogen, hydroxyl, or OR^{12} where R^{12} is substituted C_1 - C_{10} alkyl, unsubstituted C_1 - C_{10} alkyl, substituted C_2 - C_{10} alkenyl, unsubstituted C_2 - C_{10} alkenyl, substituted C_2 - C_{10} alkynyl, or unsubstituted C_2 - C_{10} alkynyl;

R^7 is methyl, unsubstituted C_3 - C_{10} alkyl, substituted C_1 - C_{10} alkyl, substituted C_2 - C_{10} alkenyl, unsubstituted C_2 - C_{10} alkenyl, substituted C_2 - C_{10} alkynyl, unsubstituted C_2 - C_{10} alkynyl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R^8 is unsubstituted C_1 - C_{10} alkyl, substituted C_1 - C_{10} alkyl, substituted C_2 - C_{10} alkenyl, unsubstituted C_2 - C_{10} alkenyl, substituted C_2 - C_{10} alkynyl, unsubstituted C_2 - C_{10} alkynyl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl; and,

x is a single or a double bond.

2. The compound as in claim 1 wherein:

R is hydrogen, methyl, ethyl, propyl, isopropyl, phenyl or benzyl; R^0 is hydroxyl or methoxy;

R^1 is hydrogen or hydroxyl;

R^2 is methyl;

R^3 is methyl, ethyl, propyl, isopropyl, butyl, isobutyl, secbutyl or tertbutyl;

R^4 is methyl;

R^5 is hydroxyl;

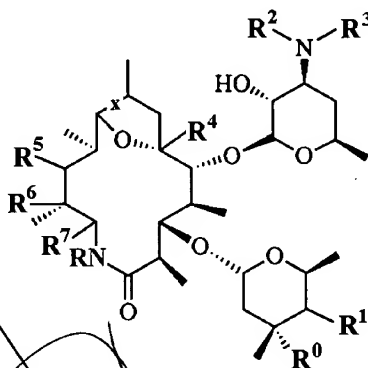
R^6 is hydroxyl or methoxy;

R^7 is methyl, vinyl, propyl, isobutyl, pentyl, prop-2-enyl, propargyl, but-3-enyl, 2-azidoethyl, 2-fluoroethyl, 2-chloroethyl, cyclohexyl, phenyl, or benzyl;

5 R^8 is methyl, ethyl vinyl, propyl, isobutyl, pentyl, prop-2-enyl, propargyl, but-3-enyl, 2-azidoethyl, 2-fluoroethyl, 2-chloroethyl, cyclohexyl, phenyl, or benzyl; and,

x is a single or a double bond.

3 The compound as in claim 1 of the formula



10 wherein

R is hydrogen, substituted C_1-C_5 alkyl, unsubstituted C_1-C_5 alkyl, substituted aryl, unsubstituted aryl, substituted alkylaryl or unsubstituted alkylaryl;

R^0 is hydroxyl or methoxy;

15 R^1 is hydrogen or hydroxyl;

R^2 and R^3 are each independently substituted C_1-C_5 alkyl, unsubstituted C_1-C_5 alkyl, phenyl or benzyl;

R^4 is methyl;

R^5 is hydroxyl or oxo;

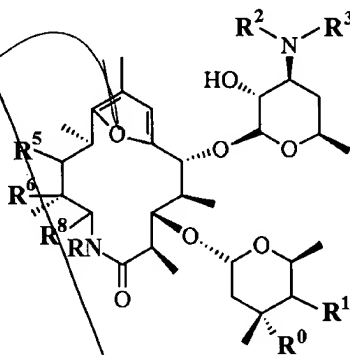
20 R^6 is hydrogen, hydroxyl, or OR^{12} wherein R^{12} is substituted C_1-C_5 alkyl, or unsubstituted C_1-C_5 alkyl;

R^7 is methyl, unsubstituted C_3 - C_5 alkyl, substituted C_2 - C_5 alkyl, substituted C_2 - C_5 alkenyl, unsubstituted C_2 - C_5 alkenyl, substituted C_2 - C_5 alkynyl, unsubstituted C_2 - C_5 alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl unsubstituted alkylaryl, substituted alkenylaryl or unsubstituted alkenylaryl alkenylaryl; and,

5 x is single bond or a double bond.

4. The compound as in claim 3 wherein x is a single bond.

5. The compound as in claim 1 of the formula



10 wherein

R is hydrogen, substituted C_1 - C_5 alkyl, unsubstituted C_1 - C_5 alkyl, substituted aryl, unsubstituted aryl, substituted alkylaryl or unsubstituted alkylaryl;

R^0 is hydroxyl or methoxy;

15 R^1 is hydrogen or hydroxyl;

R^2 and R^3 are each independently substituted C_1 - C_5 alkyl, unsubstituted C_1 - C_5 alkyl, phenyl or benzyl;

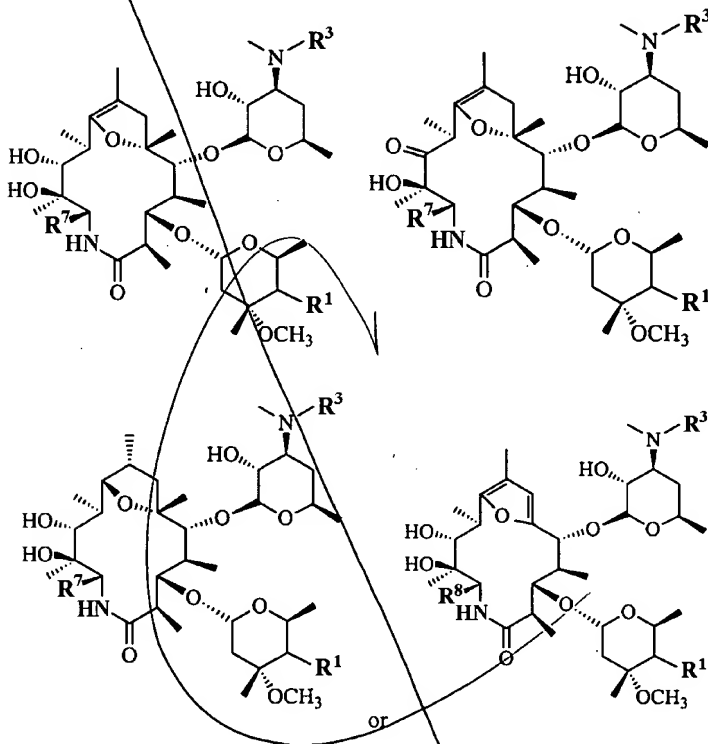
R^5 is hydroxyl or oxo;

20 R^6 is hydrogen, hydroxyl, or OR^{12} wherein R^{12} is substituted C_1 - C_5 alkyl, or unsubstituted C_1 - C_5 alkyl; and,

R^8 is substituted C_1 - C_5 alkyl, unsubstituted C_1 - C_5 alkyl, substituted C_2 - C_5 alkenyl, unsubstituted C_2 - C_5 alkenyl, substituted C_2 - C_5 alkynyl, unsubstituted C_2 - C_5 alkynyl,

substituted aryl, unsubstituted aryl, substituted alkylaryl unsubstituted alkylaryl, substituted alkenylaryl or unsubstituted alkenylaryl alkenylaryl.

6. A compound of the structure



wherein

R is hydrogen, methyl, ethyl, propyl, isopropyl, phenyl or benzyl; R⁰ is hydroxyl or methoxy;

R¹ is hydrogen or hydroxyl;

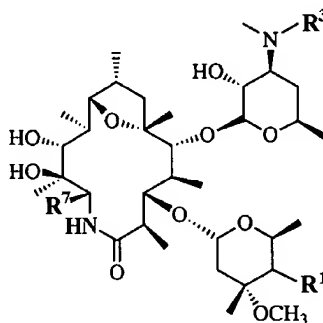
R³ is methyl, ethyl, propyl, isopropyl, butyl, isobutyl, secbutyl or tertbutyl;

R⁷ is methyl, vinyl, propyl, isobutyl, pentyl, prop-2-enyl, propargyl, but-3-enyl, 2-azidoethyl, 2-fluoroethyl, 2-chloroethyl, cyclohexyl, phenyl, or benzyl;

R^8 is methyl, ethyl, vinyl, propyl, isobutyl, pentyl, prop-2-enyl, propargyl, but-3-enyl, 2-azidoethyl, 2-fluoroethyl, 2-chloroethyl, cyclohexyl, phenyl, or benzyl.

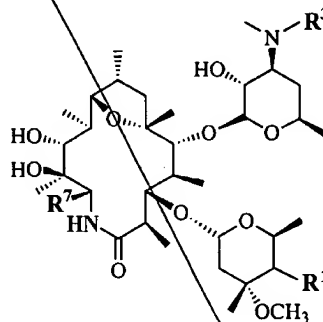
7. The compound as in claim 6 wherein
 R^3 is methyl, ethyl, or isopropyl;
 R^7 is propyl or fluoroethyl; and
 R^8 is ethyl, propyl or fluoroethyl.

8. The compound as in claim 7 of the structure



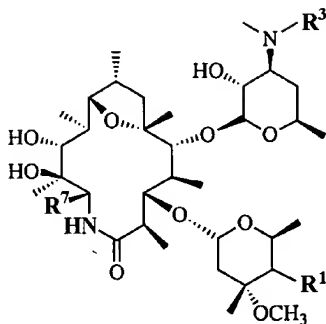
wherein R^1 is hydrogen, R^3 is ethyl and R^7 is propyl.

9. The compound as in claim 7 of the structure



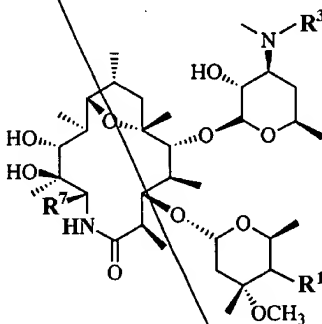
wherein R^1 is hydroxyl, R^3 is ethyl and R^7 is propyl.

10. The compound as in claim 7 of the structure



wherein R¹ is hydrogen, R³ is isopropyl and R⁷ is propyl.

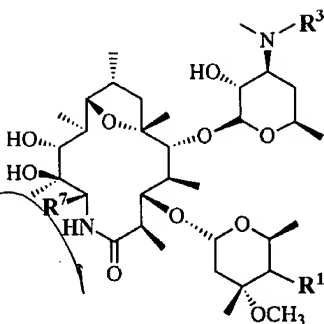
11. The compound as in claim 7 of the structure



wherein R¹ is hydroxyl, R³ is isopropyl and R⁷ is propyl.

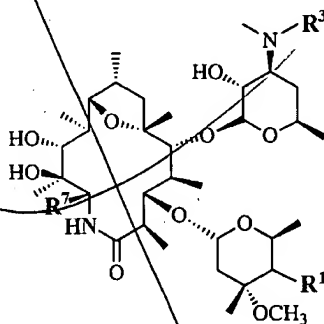
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12. The compound as in claim 7 of the structure



wherein R¹ is hydrogen, R³ is ethyl and R⁷ is fluoroethyl.

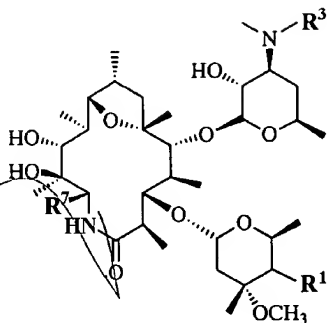
13. The compound as in claim 7 of the structure



wherein R¹ is hydroxyl, R³ is ethyl and R⁷ is fluoroethyl.

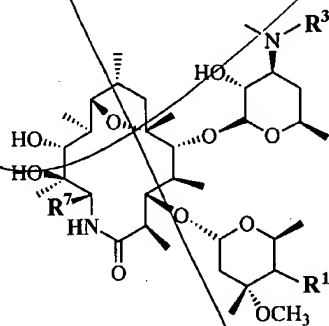
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14. The compound as in claim 7 of the structure



wherein R¹ is hydrogen, R³ is isopropyl and R⁷ is fluoroethyl.

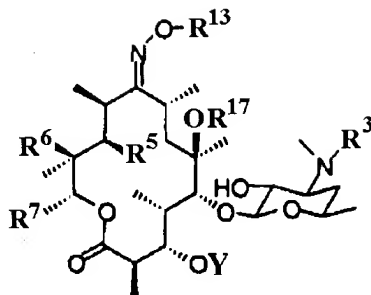
- 5 15. The compound as in claim 7 of the structure



wherein R¹ is hydroxyl, R³ is isopropyl and R⁷ is fluoroethyl.

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16. A compound of the structure



wherein

Y is hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, unsubstituted alkynylaryl, unsubstituted cladinose, or substituted cladinose;

R³ is hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R⁵ is hydroxyl or oxo;

R⁶ is hydrogen, hydroxyl, or OR¹² where R¹² is substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, or unsubstituted C₂-C₁₀ alkynyl;

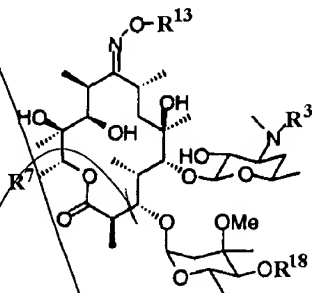
R⁷ is methyl, unsubstituted C₃-C₁₀ alkyl, substituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R¹³ is hydrogen, unsubstituted C₁-C₁₀ alkyl, substituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀

alkynyl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl; and,

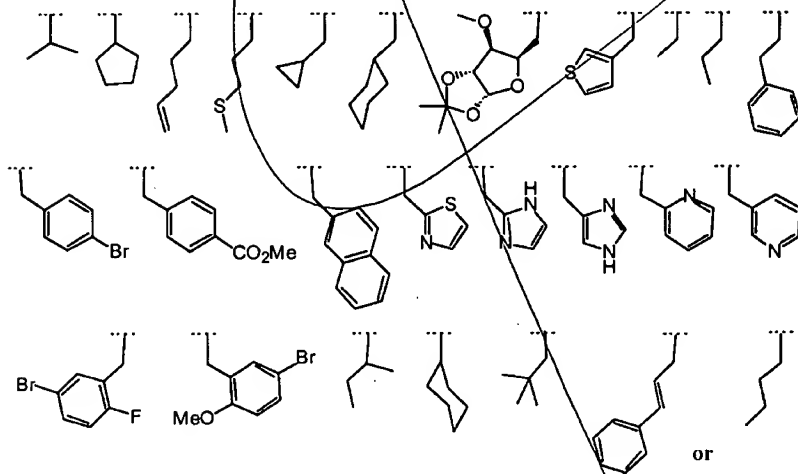
R^{17} is hydrogen or methyl.

- 5 17. The compound as in claim 16 of the structure

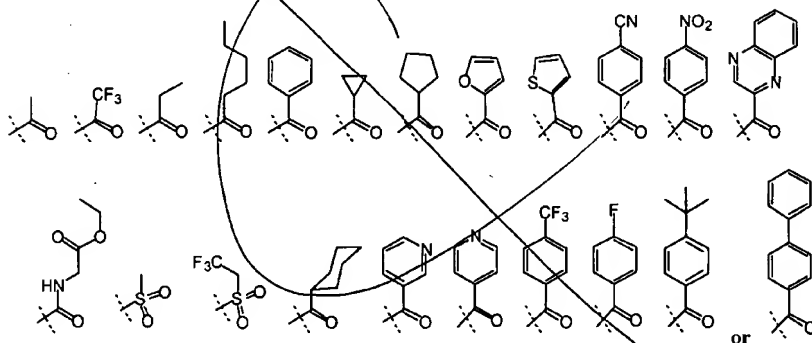


wherein

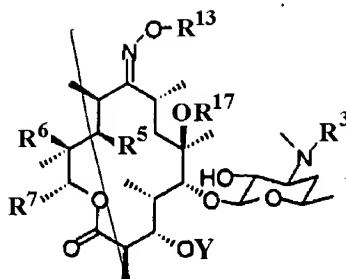
R^3 is



- 10 R^7 is propyl or 2-fluoroethyl;

R^{18} is

18.



or

wherein:

R is hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R⁰ is hydroxyl or methoxy;

R¹ is selected from the group consisting of hydrogen, hydroxyl, halide, NH₂, OR⁹,

OCR⁹, OCNR¹⁰R¹¹, NCR⁹, and NCNR¹⁰R¹¹ where R⁹ is substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl, and R¹⁰ and R¹¹ are each independently hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R² and R³ are each independently selected from the group consisting of hydrogen, substituted C₁-C₁₀ alkyl, unsubstituted C₁-C₁₀ alkyl, substituted C₂-C₁₀ alkenyl, unsubstituted C₂-C₁₀ alkenyl, substituted C₂-C₁₀ alkynyl, unsubstituted C₂-C₁₀ alkynyl, substituted aryl,

unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl, or R^2 and R^3 together form a cycloalkyl or an aryl moiety;

R^4 is hydrogen or methyl;

5 R^5 is hydroxyl or oxo;

R^6 is hydrogen, hydroxyl, or OR^{12} where R^{12} is substituted C_1 - C_{10} alkyl, unsubstituted C_1 - C_{10} alkyl, substituted C_2 - C_{10} alkenyl, unsubstituted C_2 - C_{10} alkenyl, substituted C_2 - C_{10} alkynyl, or unsubstituted C_2 - C_{10} alkynyl;

10 R^7 is methyl, unsubstituted C_3 - C_{10} alkyl, substituted C_1 - C_{10} alkyl, substituted C_2 - C_{10} alkenyl, unsubstituted C_2 - C_{10} alkenyl, substituted C_2 - C_{10} alkynyl, unsubstituted C_2 - C_{10} alkynyl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

15 R^8 is unsubstituted C_1 - C_{10} alkyl, substituted C_1 - C_{10} alkyl, substituted C_2 - C_{10} alkenyl, unsubstituted C_2 - C_{10} alkenyl, substituted C_2 - C_{10} alkynyl, unsubstituted C_2 - C_{10} alkynyl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

20 R^{13} is hydrogen, unsubstituted C_1 - C_{10} alkyl, substituted C_1 - C_{10} alkyl, substituted C_2 - C_{10} alkenyl, unsubstituted C_2 - C_{10} alkenyl, substituted C_2 - C_{10} alkynyl, unsubstituted C_2 - C_{10} alkynyl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, or unsubstituted alkynylaryl;

R^{17} is hydrogen or methyl;

x is a single or a double bond; and,

25 Y is hydrogen, substituted C_1 - C_{10} alkyl, unsubstituted C_1 - C_{10} alkyl, substituted C_2 - C_{10} alkenyl, unsubstituted C_2 - C_{10} alkenyl, substituted C_2 - C_{10} alkynyl, unsubstituted C_2 - C_{10} alkynyl, substituted aryl, unsubstituted aryl, substituted alkylaryl, unsubstituted alkylaryl, substituted alkenylaryl, unsubstituted alkenylaryl, substituted alkynylaryl, unsubstituted alkynylaryl, unsubstituted cladinose, or substituted cladinose.

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19. The method as in claim 18 wherein the subject is a human suffering from gastroparesis, gastroesophageal reflux disease, anorexia, gall bladder stasis, postoperative paralytic ileus, scleroderma, intestinal pseudoobstruction, gastritis, emesis, and chronic constipation (colonic inertia).

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